

O I P E
FEB 27 2006
P R O C E S S I N G
S T A T U T O R Y
A P P L I C A T I O N

Substitute for form 1449A/PTO				<i>Complete if Known</i>	
				Application Number	10/533,402
				Filing Date	April 28, 2005
				First Named Inventor	DONNELLY, Frank Wegner
				Art Unit	3740 2839
				Examiner Name	Cuevas, P
Sheet	1	of	1	Attorney Docket Number	5107-15

U.S. PATENT DOCUMENTS

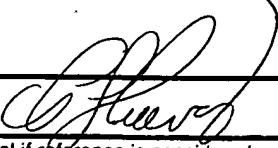
Examiner Initials*	Cite No. ¹	Document Number <small>Number-kind Code² (if known)</small>	Publication Date <small>MM-DD-YYYY</small>	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
RC	1.	US-6,973,880	12-13-2005	Kumar	105/35

FOREIGN PATENT DOCUMENTS

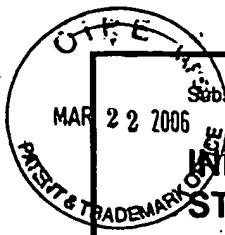
Examiner Initials*	Cite No. ¹	Foreign Patent Document <small>Country Code³; Number⁴; Kind Code⁵ (if known)</small>	Publication Date <small>MM-DD-YYYY</small>	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		/ / / /	/ / / /	/ / / /	/ / / /	

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

Examiner Initials*	Cite No. ¹	
RC	2.	"Diesel Locomotives", "The Car and Locomotive Encyclopedia" by Kalmbach Publishing Company, 1980, 3 pages.
RC	3.	"Motor Control Electronics Handbook" edited by Richard Valentine, McGraw Hill 1998, ISBN 0-07-066810-8, 1998, 31 pages.
RC	4.	"Progress in Overcoming the Failure Modes Peculiar to VRLA Batteries", A. Cooper, P.T. Moseley, Journal of Power Sources 113 (2003) 200-208.
RC	5.	"Research Results from the Advanced Lead-Acid Battery Consortium Point the Way to Longer Life and Higher Specific Energy for Lead/Acid Electric-vehicle Batteries", P.T. Moseley, Journal of Power Sources 73 (1998) 122-126.
RC	6.	"Improving the Valve-Regulated Lead Acid Battery", P.T. Moseley, Journal of Power Sources 88 (2000) 71-77.
RC	7.	"Keeping Up the Pressure-Strategies to Maintain Plate-Group Pressure and Extend the Cycle Life of VRLA Batteries", M.J. Weighall, Journal of Power Sources 95 (2001) 209-217.
RC	8.	"VRLA Traction", First International Symposium on the Use of VRLA Batteries in Traction Application, Honolulu, June 2005.

Examiner Signature		Date Considered	3/5/07
--------------------	---	-----------------	--------

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant.



Page 1 of 8

Substitute for form 1449A/PTO				Complete If Known	
				Application Number	10/533,402
				Filing Date	December 6, 2005
				First Named Inventor	DONNELLY, Frank Wegner
				Art Unit	3740 2834
				Examiner Name	Cuevas, P
Sheet	1	of	8	Attorney Docket Number	5107-15

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-kind Code <small>(If Known)</small>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
RC	1.	US-D464,622 S	10-22-2002	Donnelly	13/120
RC	2.	US-384,580 A	06-12-1888	E. Julien	105/50
RC	3.	US-1,199,752 A	10-03-1916	C.W. Baker	105/35
RC	4.	US-1,377,087 A	05-03-1921	J.A. Manns	105/35
RC	5.	US-1,535,175 A	04-28-1925	R. Mancha	105/50
RC	6.	US-2,403,933 A	04-16-1946	T.O. Lillquist	105/61
RC	7.	US-2,472,924 A	06-14-1949	A.F. Schwendner	290/19
RC	8.	US-2,510,753 A	06-06-1950	R.H. Multhaup	105/36
RC	9.	US-3,169,733 A	02-16-1965	A.M. Barrett, Jr.	246/30
RC	10.	US-3,443,115 A	05-06-1969	J.W. Timmerman, Jr.	307/66
RC	11.	US-3,569,810 A	03-09-1971	Tom N. Thiele	388/819
RC	12.	US-3,596,154 A	07-27-1971	Gurwicz et al.	318/252
RC	13.	US-3,668,418 A	06-06-1972	Godard	307/66
RC	14.	US-3,728,596 A	04-1973	Hermansson et al.	318/52
RC	15.	US-3,737,745 A	06-1973	Chevaugeon et al.	318/52
RC	16.	US-3,792,327 A	02-12-1974	Waldorf	318/139
RC	17.	US-3,832,625 A	08-27-1974	Gyugyi	322/47
RC	18.	US-3,898,937 A	08-12-1975	Johnson	105/61
RC	19.	US-3,930,189 A	12-30-1975	Smith	318/52
RC	20.	US-3,970,160 A	07-20-1976	Nowick	180/6.5
RC	21.	US-3,982,164 A	09-21-1976	de Buhr et al.	318/52
RC	22.	US-3,997,822 A	12-14-1976	Logston et al.	318/52
RC	23.	US-4,035,698 A	07-12-1977	Söderberg	318/52
RC	24.	US-4,070,562 A	01-24-1978	Kuno et al.	303/138

Examiner Signature		Date Considered	3/5/07
--------------------	--	-----------------	--------

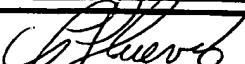
*EXAMINER: Initial if reference is considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant.

2/22/06

Page 2 of 8

Substitute for form 1449A/PTO				Complete If Known	
				Application Number	10/533,402
				Filing Date	December 6, 2005
				First Named Inventor	DONNELLY, Frank Wegner
				Art Unit	3746 2834
				Examiner Name	Cuevas, P
Sheet	2	of	8	Attorney Docket Number	5107-15

PC	25.	US-4,075,538 A	01-21-1978	Plunkett	318/52
PC	26.	US-4,090,577 A	05-23-1978	Moore	180/243
PC	27.	US-4,095,147 A	06-13-1978	Mountz	318/52
PC	28.	US-4,096,423 A	06-20-1978	Bailey et al.	318/370
PC	29.	US-4,107,402 A	08-15-1978	Dougherty et al.	429/120
PC	30.	US-4,152,758 A	05-1979	Bailey et al.	363/85
PC	31.	US-4,199,037 A	04-22-1980	White	180/65.4
PC	32.	US-4,204,143 A	05-20-1980	Coleman	388/811
PC	33.	US-4,217,527 A	08-12-1980	Bourke et al.	318/139
PC	34.	US-4,309,645 A	01-05-1982	De Villeneuve	388/829
PC	35.	US-4,344,139 A	08-10-1982	Miller et al.	701/92
PC	36.	US-4,347,569 A	08-31-1982	Allen, Jr. et al.	701/82
PC	37.	US-4,369,397 A	01-18-1983	Read	318/54
PC	38.	US-4,417,194 A	11-22-1983	Curtiss et al.	322/47
PC	39.	US-4,423,362 A	12-27-1983	Konrad et al.	318/139
PC	40.	US-4,471,276 A	09-11-1984	Cudlitz	388/811
PC	41.	US-4,471,421 A	09-11-1984	Brown et al.	363/54
PC	42.	US-4,495,449 A	01-22-1985	Black et al.	318/60
PC	43.	US-4,523,134 A	06-11-1985	Kinoshita et al.	388/811
PC	44.	US-4,644,232 A	02-17-1987	Nojiri et al.	318/66
PC	45.	US-4,701,682 A	10-20-1987	Hirotsu et al.	318/52
PC	46.	US-4,799,161 A	01-17-1989	Hirotsu et al.	701/70
PC	47.	US-4,900,944 A	02-13-1990	Donnelly	290/3
PC	48.	US-4,936,610 A	06-26-1990	Kumar et al.	291/2
PC	49.	US-4,941,099 A	07-10-1990	Wood et al.	701/71
PC	50.	US-4,944,539 A	07-31-1990	Kumar et al.	291/2
PC	51.	US-4,950,964 A	08-21-1990	Evans	318/52

Examiner Signature		Date Considered	3/5/07
--------------------	---	-----------------	--------

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant.

2/22/06

Page 3 of 8

Substitute for form 1449A/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/533,402
Sheet	3	of	8	Filing Date	December 6, 2005
				First Named Inventor	DONNELLY, Frank Wegner
				Art Unit	3746 2834
				Examiner Name	Cuevas, P
				Attorney Docket Number	5107-15

QC	52.	US-4,961,151 A	10-02-1990	Early et al.	700/297
QC	53.	US-5,129,328 A	07-14-1992	Donnelly	105/61.5
QC	54.	US-5,212,431 A	05-18-1993	Origuchi et al.	318/139
QC	55.	US-5,264,764 A	11-23-1993	Kuang	318/139
QC	56.	US-5,281,900 A	01-25-1994	Park	318/139
QC	57.	US-5,289,093 A	02-22-1994	Jobard	318/434
QC	58.	US-5,317,669 A	05-31-1994	Anderson et al.	388/829
QC	59.	US-5,317,669 A	05-31-1994	Anderson et al.	388/829
QC	60.	US-5,332,630 A	07-26-1994	Hsu	429/20
QC	61.	US-5,359,228 A	10-25-1994	Yoshida	290/17
QC	62.	US-5,392,716 A	02-28-1995	Orschek et al.	105/61
QC	63.	US-5,428,538 A	06-27-1995	Ferri	701/71
QC	64.	US-5,436,538 A	07-25-1995	Garvey et al.	318/52
QC	65.	US-5,436,548 A	07-25-1995	Thomas	320/137
QC	66.	US-5,453,672 A	09-26-1995	Avitan	318/493
QC	67.	US-5,453,672 A	09-26-1995	Avitan	318/493
QC	68.	US-5,480,220 A	01-1996	Kumar	303/151
QC	69.	US-5,510,203 A	04-23-1996	Hamada et al.	429/53
QC	70.	US-5,510,693 A	04-23-1996	Theobald	320/151
QC	71.	US-5,511,749 A	04-30-1996	Horst et al.	246/187 A
QC	72.	US-5,528,148 A	06-18-1996	Rogers	320/137
QC	73.	US-5,564,795 A	10-15-1996	Engle	303/9
QC	74.	US-5,568,023 A	10-22-1996	Grayer et al.	318/139
QC	75.	US-5,580,677 A	12-03-1996	Morishita et al. Nobayase	429/152
QC	76.	US-5,580,685 A	12-03-1996	Shenk et al.	429/234
QC	77.	US-5,585,706 A	12-17-1996	Avitan	318/493
QC	78.	US-5,589,743 A	12-31-1996	King	318/139

Examiner Signature	<i>C. Cuevas</i>	Date Considered	3/5/07
--------------------	------------------	-----------------	--------

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant.

2/22/06

Page 4 of 8

Substitute for form 1449A/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/533,402
Sheet	4	of	8	Filing Date	December 6, 2005
				First Named Inventor	DONNELLY, Frank Wegner
				Art Unit	3746 2834
				Examiner Name	Cuevas, P
				Attorney Docket Number	5107-15

RC	79.	US-5,610,499 A	03-11-1997	Rogers	322/25
RC	80.	US-5,610,819 A	03-11-1997	Mann et al.	701/20
RC	81.	US-5,629,567 A	05-13-1997	Kumar	290/3
RC	82.	US-5,629,601 A	05-13-1997	Feldstein	320/119
RC	83.	US-5,631,532 A	05-20-1997	Azuma et al.	320/102
RC	84.	US-5,659,240 A	08-19-1997	King	320/134
RC	85.	US-5,661,378 A	08-26-1997	Hapeman	318/52
RC	86.	US-5,685,507 A	11-11-1997	Horst et al.	246/187A
RC	87.	US-5,696,438 A	12-09-1997	Hamilton	322/12
RC	88.	US-5,698,955 A	12-16-1997	Nii	318/139
RC	89.	US-5,735,215 A	04-07-1998	Tegeler	105/34.1
RC	90.	US-5,751,137 A	05-12-1998	Kiuchi et al.	322/14
RC	91.	US-5,765,656 A	06-16-1998	Weaver	180/65.3
RC	92.	US-5,820,172 A	10-13-1998	Brigham et al.	290/40C
RC	93.	US-5,898,282 A	04-27-1999	Drozdz et al.	318/139
RC	94.	US-5,939,861 A	08-17-1999	Joko et al.	320/122
RC	95.	US-5,964,309 A	10-12-1999	Kimura et al.	180/65.8
RC	96.	US-5,992,950 A	11-30-1999	Kumar et al.	303/151
RC	97.	US-5,998,880 A	12-07-1999	Kumar	290/40B
RC	98.	US-6,012,011 A	01-04-2000	Johnson	701/82
RC	99.	US-6,021,251 A	02-01-2000	Hammer et al.	388/801
RC	100.	US-6,023,137 A	02-08-2000	Kumar et al.	318/254
RC	101.	US-6,104,148 A	08-15-2000	Kumar et al.	318/52
RC	102.	US-6,175,272 B1	01-16-2001	Takita	330/10
RC	103.	US-6,208,097 B1	03-27-2001	Reddy et al.	318/52
RC	104.	US-6,211,646 B1	04-03-2001	Kouzu et al. Katsumi	320/107
RC	105.	US-6,308,639 B1	10-30-2001	Donnelly et al.	105/50

Examiner Signature	<i>G. Cuevas</i>	Date Considered	3/5/07
--------------------	------------------	-----------------	--------

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant.

2/22/06

Page 5 of 8

Substitute for form 1449A/PTO				<i>Complete if Known</i>	
				Application Number	10/533,402
				Filing Date	December 6, 2005
				First Named Inventor	DONNELLY, Frank Wegner
				Art Unit	3746 2834
				Examiner Name	Cuevas, P
Sheet	5	of	8	Attorney Docket Number	5107-15

RC	106.	US-6,331,365 B1	12-18-2001	King	429/9
RC	107.	US-6,367,891 B1	04-09-2002	Smith et al.	303/125
RC	108.	US-6,408,766 B1	06-25-2002	McLaughlin et al.	105/231
RC	109.	US-6,441,581 B1	08-27-2002	King et al.	320/101
RC	110.	US-6,449,536 B1	09-10-2002	Brousseau et al.	701/19
RC	111.	US-6,456,674 B1	09-24-2002	Horst et al.	375/347
RC	112.	US-6,470,245 B1	10-22-2002	Proulx	701/19
RC	113.	US-6,591,758 B2	07-15-2003	Kumar	105/35
RC	114.	US-6,612,245 B2	09-02-2003	Kumar et al.	105/26.05
RC	115.	US-6,612,246 B2	09-02-2003	Kumar	105/34.2
RC	116.	US-6,615,118 B2	09-02-2003	Kumar	701/19
RC	117.	US-6,634,303 B1	10-21-2003	Madsen et al.	105/73
RC	118.	US-6,627,345 B1	09-30-2003	Zemlok et al.	429/99
RC	119.	US-6,653,002 B1	11-25-2003	Parise Ronald	429/7
RC	120.	US-6,658,331 B2	12-02-2003	Horst et al.	701/19
RC	121.	US-6,691,005 B2	02-10-2004	Proulx	701/19
RC	122.	US-6,697,716 B2	02-24-2004	Horst	701/19
RC	123.	US-6,737,822 B2	05-18-2004	King	318/375
RC	124.	US-6,812,656 B2	11-02-2004	Donnelly et al.	318/66
RC	125.	US-6,879,054 B2	04-12-2005	Gosselin	290/40C
RC	126.	US-6,909,200 B2	06-21-2005	Bouchon	307/10.1
RC	127.	US-2003-0151387 A1	08-14-2003	Kumar	320/104
RC	128.	US-2003-0150352 A1	08-14-2003	Kumar	105/35
RC	129.	US-2003-0233959 A1	12-25-2003	Kumar	105/26.05
RC	130.	US-2005-0024001 A1	02-03-2005	Donnelly et al.	318/66
RC	131.	US-2005-0045058 A1	03-03-2005	Donnelly et al.	105/26.05
RC	132.	US-11/060,087		Donnelly	Filed 02-17-2004

Examiner Signature	<i>C. Cuevas</i>	Date Considered	3/5/07
--------------------	------------------	-----------------	--------

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant.

2/22/06

Page 6 of 8

Substitute for form 1449A/PTO				<i>Complete if Known</i>	
				Application Number	10/533,402
				Filing Date	December 6, 2005
				First Named Inventor	DONNELLY, Frank Wegner
				Art Unit	3748 2834
				Examiner Name	Cuevas, P
Sheet	6	of	8	Attorney Docket Number	5107-15

<i>CR</i>	133.	US-11/060,221		Donnelly	Filed 02-17-2004
<i>CR</i>	134.	US-11/060,223		Donnelly et al.	Filed 02-17-2004
<i>CR</i>	135.	US-11/070,848		Maier	Filed 03-01-2005
<i>CR</i>	136.	US-11/075,550		Donnelly	Filed 03-08-2005
<i>CR</i>	137.	US-11/095,036		Donnelly	Filed 03-30-2005
<i>CR</i>	138.	US-60/600,330		Donnelly	Filed 08-09-2004
<i>CR</i>	139.	US-60/607,194		Donnelly	Filed 09-03-2004
<i>CR</i>	140.	US-60/616,173		Donnelly	Filed 10-04-2004
<i>CR</i>	141.	US-60/618,631		Donnelly	Filed 10-13-2004
<i>CR</i>	142.	US-60/618,632		Donnelly	Filed 10-13-2004
<i>CR</i>	143.	US-60/674,837		Donnelly	Filed 04-25-2005

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² ; Number ³ ; Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>CR</i>	144.	CA - 1,283,472	10-15-1987	Donnelly	<i>[Handwritten]</i>
<i>CR</i>	145.	CA - 2,411,132	11-05-2002	Donnelly	<i>[Handwritten]</i>
<i>CR</i>	146.	PCT - WO 03/072388	09-04-2003	Donnelly et al.	<i>[Handwritten]</i>
<i>CR</i>	147.	PCT - WO 04/042890	05-21-2004	Donnelly	<i>[Handwritten]</i>
<i>CR</i>	148.	UK - 873,167	03-24-1960	Bachem et al.	<i>[Handwritten]</i>
<i>CR</i>	149.	UK - 1,129,709	11-18-1966	G&M Power Plant Co. Ltd	<i>[Handwritten]</i>
<i>CR</i>	150.	UK - 1 312 699	10-10-1970	Conveyancer Limited	<i>[Handwritten]</i>
<i>CR</i>	151.	UK - 2 005 205 A	09-02-1977	Coal Industry Limited	<i>[Handwritten]</i>
<i>CR</i>	152.	EP - 0 348 938	01-03-1990	Loher AG	<i>[Handwritten]</i>

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)			
Examiner Initials*	Cite No. ¹		
<i>CR</i>	153.	Thompson, "Electric Transportation," International Textbook Co., Scranton, Pa; (1 st Ed., 1940), pgs. 254-262.	<i>[Handwritten Signature]</i>

Examiner Signature	<i>[Handwritten Signature]</i>	Date Considered	3/5/07
--------------------	--------------------------------	-----------------	--------

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant.

2/22/06

Page 7 of 8

Substitute for form 1449A/PTO				Complete if Known	
				Application Number	10/533,402
				Filing Date	December 6, 2005
				First Named Inventor	DONNELLY, Frank Wegner
				Art Unit	3740 2834
				Examiner Name	Cuevas, P
Sheet	7	of	8	Attorney Docket Number	5107-15

<i>RC</i>	154.	Mendler, "The Technological Opportunities of Hybrid Electric Vehicles," Society of Automotive Engineers, Inc. (1996), pgs. 1-16.
<i>RC</i>	155.	Mercer, "Innovative Use of Horsepower - Hybrid Bus Powered by Gas Turbine," <u>Diesel Progress</u> (Dec. 1997), pgs. 56-57.
<i>RC</i>	156.	Berg, "Concept Truck Addresses Future Clean Air Demands With Hybrid Turbine-Electric Powertrain," <u>Emissions Alternatives Fuels</u> (date unknown), pgs. 55-57.
<i>RC</i>	157.	FMTV - with HybriDrive Propulsion System, pgs. 1-3.
<i>RC</i>	158.	Nene, "Advanced Propulsion Systems for Urban Rail Vehicles: Chapter 2: DC Drives with a Chopper Controller," Prentice-Hall, Inc. (1985), pgs. 18-45.
<i>RC</i>	159.	Kostic et al., "An Analytic Solution of the Choppers Ripple Currents," Proceedings of the 1993 IEEE/ASME Joint Railroad Conference, April 1993, pp. 103-107.
<i>RC</i>	160.	Hassan Moghbelli et al., "Chopper Design for NICTD Locomotives," Proceedings of the 1993 IEEE/ASME Joint Railroad Conference, April 1993, pp. 67-75.
<i>RC</i>	161.	C.E. Band et al., "Development of and Operational Experience with a High Powered D.C. Chopper for 1500 Volt D.C. Railway Equipment," Institution of Electrical Engineers Conference Publication 53 on Power Thyristors and Their Applications, Part 1 (May 1969), 1-page.
<i>RC</i>	162.	M.J. Hapeman et al., "Diesel Electric Locomotive Propulsion Systems - A Look into the Future," IEEE Technical Papers Presented at the 1985 Joint ASME/IEEE Railroad Conference, New York City, NY, Apr. 16-18, 1985, pp. 108-115.
<i>RC</i>	163.	Joseph Szymborski et al., "Examination of VRLA Battery Cells Sampled from the Metlakatla Battery Energy Storage System".
<i>RC</i>	164.	"Locomotive Energy Storage System," Advanced Railway Technology, Inc. (Dec. 1985).
<i>RC</i>	165.	Declaration of Frank Donnelly Under 37 CFR § 1.98.
<i>RC</i>	166.	Declaration of Ronald Bailey under 37 CFR § 1.98 dated Dec. 3, 2004 for U.S. Application Serial No. 10/650,011, 3 pages.
<i>RC</i>	167.	"Lead-Acid Battery State of Charge vs. Voltage", Richard Perez, Home Power #36, August/September 1993.
<i>RC</i>	168.	"Thermal Evaluation of the Honda Insight Battery Pack" M.D. Zolot et. al. National Renewable Energy Laboratory, Presented at the 36th Intersociety Energy Conversion Engineering Conference, Savannah Georgia, July 29 to Aug 2 2001.
<i>RC</i>	169.	"Development of a New Battery System for Hybrid Vehicle", Tomokazu Yamauchi et al, Toyota, presented at the EVS 17 in Montreal, Oct. 2000
<i>RC</i>	170.	"Supercapacitive Energy Storage for Diesel-Electric Locomotives", Destraz, Barrade and Rufer, Swiss Federal Institute of Technology, paper presented at SPEEDAM 2004, June 16, Capri, Italy.

Examiner Signature	<i>Frank Wegner</i>	Date Considered	3/5/07
--------------------	---------------------	-----------------	--------

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant.

2/22/06

Page 8 of 8

Substitute for form 1449A/PTO				Complete if Known	
				Application Number	10/533,402
				Filing Date	December 6, 2005
				First Named Inventor	DONNELLY, Frank Wegner
				Art Unit	3746 2834
				Examiner Name	Cuevas, P
Sheet	8	of	8	Attorney Docket Number	5107-15

<i>BC</i>	171.	Press Release: "French Railway Company Voies Ferees Legeres et Industrielles (VFLI) Puts Its Trust in Deutch Engines", June 2003
<i>BC</i>	172.	<i>Diesel Locomotives</i> "The Car and Locomotive Encyclopedia" by Kalmbach Publishing Company, 1980, 3 pages.
<i>BC</i>	173.	"LNG as a Fuel for Railroads: Assessment of Technology Status and Economics", Pera and Moyer, Acurex Corporation, 1993, Gas Research Institute contract number 5091-292-2153
<i>BC</i>	174.	"Comparative Economic Assessment of a Natural Gas Fueled Locomotive with On-Board CNG Storage to Diesel and LNG Variants", Donnelly et al, IEEE/ASME Joint Railroad Conference, Baltimore, April 1995
<i>BC</i>	175.	"Linear/Switchmode Voltage Regulator Handbook" Motorola, Inc. 1982
<i>BC</i>	176.	"Motor Control Electronics Handbook" edited by Richard Valentine, McGraw Hill 1998, ISBN 0-07-066810-8, 1998, 31 pages.
<i>BC</i>	177.	"The Control of Switched Reluctance Drives and their Use for Flywheel Energy Storage", Brabandere et al,
<i>BC</i>	178.	"Performance and Control of the Switched Reluctance Motor", Dahdah et al, University of Western Sydney, Australia
<i>BC</i>	179.	"Design of Switched Reluctance Motors and Development of a Universal Controller for Switched Reluctance and Permanent Magnet Brushless DC Motors", Phd Dissertation, Virginia Polytechnic Institute and State University, Prahveen Vijayraghavan, Blacksburg, VA, November 2001.
<i>BC</i>	180.	"Li-Ion Battery-Powered Buck-Boost Regulator Minimizes Portable Product Size", Chen, IIC-China/ESC-China Conference Proceedings, 2002.
<i>BC</i>	181.	"Progress in Overcoming the Failure Modes Peculiar to VRLA Batteries", A. Cooper, P.T. Moseley, Journal of Power Sources 113 (2003) 200-208.
<i>BC</i>	182.	"Research Results from the Advanced Lead-Acid Battery Consortium Point the Way to Longer Life and Higher Specific Energy for Lead/Acid Electric-vehicle Batteries", P.T. Moseley, Journal of Power Sources 73 (1998) 122-126.
<i>BC</i>	183.	"Improving the Valve-Regulated Lead Acid Battery", P.T. Moseley, Journal of Power Sources 88 (2000) 71-77.
<i>BC</i>	184.	"Keeping Up the Pressure-Strategies to Maintain Plate-Group Pressure and Extend the Cycle Life of VRLA Batteries", M.J. Weighall, Journal of Power Sources 95 (2001) 209-217.
<i>BC</i>	185.	"VRLA Traction", First International Symposium on the Use of VRLA Batteries in Traction Application, Honolulu, June 2005.

Examiner Signature	<i>G. Cuevas</i>	Date Considered	3/5/07
--------------------	------------------	-----------------	--------

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

EDAN → 6/26/06

Page 1 of 2

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number	10533402
	Filing Date	2005-12-06
	First Named Inventor	Donnelly
	Art Unit	3746 2834
	Examiner Name	Cuevas, P
	Attorney Docket Number	5107-15

U.S.PATENTS						<input type="button" value="Remove"/>
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
BC	1	6027181 A		2000-02-22	Lewis et al.	303/86
BC	2	6973880 B2		2005-12-13	Kumar	105/35

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
BC	1	20050279243 A1		2005-12-22	Bendig et al.	105/26.05
BC	2	20060001399 A1		2006-01-05	Salasoo et al.	320/104

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T5
	1							<input type="checkbox"/>

6/26/06

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10533402
Filing Date	2005-12-06
First Named Inventor	Donnelly
Art Unit	3746 2834
Examiner Name	Cuevas, P
Attorney Docket Number	5107-15

Page 2 of 2

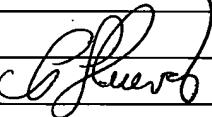
If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
RC	1	PERREAULT, DAVID J. ET AL, "A New Design For Automotive Alternators", Massachusetts Institute of Technology, 12 pages.	<input type="checkbox"/>
RC	2	RAILWAY AGE, "Switchers, the Gen-Set generation", Simmons-Boardman Publishing Corporation, Vol. 207 No. 3, copyright 2006, 1 page.	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	3/5/07
--------------------	--	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.



Page 1 of 1

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet

1

of

1

Complete if Known	
Application Number	11/533,402
Filing Date	December 6, 2005
First Named Inventor	Donnelly, Frank Wegner
Art Unit	3746 2839
Examiner Name	Not Yet Assigned Cuevas
Attorney Docket Number	5107-15

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
RC	1	US-6,384,489 B1	5/7/2002	Bluemel et al.	307/10.1
RC	2	US-6,507,506 B1	1/14/2003	Piñas et al.	363/79
RC	3	US-6,608,396 B2	8/19/2003	Downer et al.	290/40 C
RC	4	US-6,909,201 B2	6/21/2005	Murty et al.	307/10.1

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ ; Number ⁴ ; Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		-				
		-				
		-				

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

Examiner Initials*	Cite No. ¹	

Examiner Signature

Date Considered

3/5/07

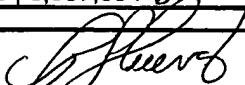
*EXAMINER: Initial if reference is considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant.

EDAN → 1/15/07

Page 1 of 3

Substitute for form 1449APTO				Complete if Known	
				Application Number	10/533,402
				Filing Date	12-06-05
				First Named Inventor	Donnelly
				Art Unit	3746 2834
				Examiner Name	Not yet assigned Cuevas, P
Sheet	1	of	3	Attorney Docket Number	5107-15

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee of Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JGC	1	744,187 A	11/17/1903	Gibbs	105/35
JGC	2	2,704,813 A	3/22/1955	Stamm	290/17
JGC	3	3,919,948 A	11/18/1975	Kademann	105/34,1
JGC	4	4,284,936 A	8/18/1981	Bailey et al.	318/381
JGC	5	4,498,016 A	2/5/1985	Earleson et al.	290/40R
JGC	6	4,700,283 A	10/13/1987	Tsutsui, et al.	363/68
JGC	7	4,719,861 A	1/19/1988	Savage et al.	104/165
JGC	8	4,896,090 A	1/23/1990	Balch, et al.	318/52
JGC	9	5,306,972 A	4/26/1994	Hokanson et al.	310/58
JGC	10	5,331,261 A	7/19/1994	Brown et al.	318/376
JGC	11	5,343,970 A	9/6/1994	Severinsky	180/65.2
JGC	12	5,376,868 A	12/27/1994	Toyoda et al.	318/587
JGC	13	5,424,948 A	6/13/1995	Jorday, Jr.	701/82
JGC	14	5,436,540 A	7/25/1995	Kumar	318/375
JGC	15	5,508,924 A	4/16/1996	Yamashita	701/22
JGC	16	5,629,596 A	5/13/1997	Iijima et al.	318/762
JGC	17	5,646,510 A	7/8/1997	Kumar	322/16
JGC	18	5,677,610 A	10/14/1997	Tanamachi et al.	318/801
JGC	19	5,710,699 A	1/20/1998	King et al.	363/132
JGC	20	5,856,037 A	1/5/1999	Casale et al.	429/82
JGC	21	5,898,281 A	4/27/1999	Bossoney et al.	318/52
JGC	22	6,025,086 A	2/15/2000	Ching	429/82
JGC	23	6,082,834 A	7/4/2000	Kolbe et al.	303/139
JGC	24	6,218,807 B1	4/17/2001	Sakaue et al.	320/107
JGC	25	6,274,998 B1	8/14/2001	Kaneko et al.	318/802
JGC	26	6,359,346 B1	3/19/2002	Kumar	290/40A
JGC	27	6,371,573 B1	4/16/2002	Goebels et al.	303/113.1
JGC	28	6,405,705 B1	6/18/2002	Dunsworth et al.	123/305
JGC	29	6,417,646 B1	6/9/2002	Hukyman et al.	320/122
JGC	30	6,421,618 B1	7/16/2002	Kilman et al.	702/58
JGC	31	6,456,908 B1	9/24/2002	Kumar	701/19
JGC	32	6,486,568 B1	11/26/2002	King et al.	303/66
JGC	33	6,497,182 B2	12/24/2002	Melpolder et al.	105/73
JGC	34	6,532,405 B1	3/11/2003	Kumar et al.	701/19
JGC	35	6,537,694 B1	3/25/2003	Sagiura et al.	429/120

Examiner Signature		Date Considered	3/5/07
--------------------	---	-----------------	--------

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant.

1/15/07

Page 2 of 3

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/533,402
Sheet	2	of	3	Filing Date	12-06-05
				First Named Inventor	Donnelly
				Art Unit	3746 2834
				Examiner Name	Not yet assigned Cuevas, P
				Attorney Docket Number	5107-15

GC	36	6,564,172 B1	5/13/2003	Till	702/182
GC	37	6,581,464 B1	1/24/2003	Anderson et al.	73/493
GC	38	6,611,116 B2	8/26/2003	Bachman et al.	318/139
GC	39	6,618,662 B2	9/9/2003	Schmitt et al.	701/82
GC	40	6,627,345 B1	9/30/2003	Zemlok et al.	429/99
GC	41	6,678,972 B2	1/20/2004	Naruse et al.	37/466
GC	42	6,688,481 B1	2/10/2004	Adner et al.	212/195
GC	43	6,725,134 B2	4/20/2004	Dillen et al.	701/19
GC	44	6,728,606 B2	4/27/2004	Kumar	701/19
GC	45	6,765,315 B2	7/20/2004	Hammerstrom et al.	307/66
GC	46	6,823,835 B2	11/30/2004	Dunsworth et al.	123/305
GC	47	6,829,529 B2	12/7/2004	Trefzer et al.	701/82
GC	48	6,829,556 B2	12/7/2004	Kumar	702/132
GC	49	6,885,920 B2	4/26/2005	Yakes, et al.	701/22
GC	50	6,909,959 B2	6/21/2005	Hallowell	701/88
GC	51	6,941,218 B2	9/6/2005	Wolf et al.	701/112
GC	52	7,102,313 B2	9/5/2006	Kadota et al.	318/465
GC	53	2002-0190525 A1	12/19/2002	Worden et al.	290/1A
GC	54	2004/0133315 A1	7/8/2004	Kumar et al.	700/302
GC	55	2006-0061307 A1	3/23/2006	Donnelly	318/108
GC	56	2006-0076171 A1	4/13/2006	Donnelly et al.	180/65.2
GC	57	2006-0091832 A1	5/4/2006	Donnelly et al.	318/108
GC	58	11/131917		Donnelly	Filed 05-17-2005
GC	59	11/131930		Watson	Filed 05-17-2005
GC	60	11/143252		Donnelly	Filed 06-01-2005
GC	61	11/411986		Donnelly	Filed 04-25-2006
GC	62	11/411987		Donnelly	Filed 04-25-2006
GC	63	11/412071		Donnelly	Filed 04-25-2006
GC	64	11/468235		Swan	Filed 08-29-2006
GC	65	11/551038		Pike	Filed 10-19-2006

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ ; Number ⁴ ; Kind Code ⁵ (if known)				
GC	66	WO 05/084335 A2	9/15/2005	RAILPOWER TECHNOLOGIES CORP.		D

Examiner Signature		Date Considered	3/5/07
--------------------	--	-----------------	--------

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant.

1/15/07

Page 3 of 3

Substitute for form 1449A/PTO				<i>Complete If Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/533,402
Sheet	3	of	3	Filing Date	12-06-05
				First Named Inventor	Donnelly
				Art Unit	3746 2834
				Examiner Name	Not yet assigned Cuevas, P
				Attorney Docket Number	5107-15

<i>RC</i>	67 WO 2005/030550 A1	4/7/2005	RAILPOWER TECHNOLOGIES CORP.		
<i>RC</i>	68 WO 2005/079504 A2	9/1/2005	RAILPOWER TECHNOLOGIES CORP.		D
<i>RC</i>	69 WO 2005/086910 A2	9/22/2005	RAILPOWER TECHNOLOGIES CORP.		D
<i>RC</i>	70 WO 2005/097573 A2	10/20/2005	RAILPOWER TECHNOLOGIES CORP.		D
<i>RC</i>	71 WO 2005/114811 A2	12/1/2005	RAILPOWER TECHNOLOGIES CORP.		D
<i>RC</i>	72 WO 2005/114810 A1	12/1/2005	RAILPOWER TECHNOLOGIES CORP.		D
<i>RC</i>	73 WO 2006/020587 A2	2/23/2006	RAILPOWER TECHNOLOGIES CORP.		D
<i>RC</i>	74 WO 2006/020667 A2	2/23/2006	RAILPOWER TECHNOLOGIES CORP.		D
<i>RC</i>	75 WO 2006/028638 A2	3/16/2006	RAILPOWER TECHNOLOGIES CORP.		D
<i>RC</i>	76 WO 2006/116479 A2	11/2/2006	RAILPOWER TECHNOLOGIES CORP.		D

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)		
Examiner Initials*	Cite No. ¹	

Examiner Signature	<i>J. Cuevas</i>	Date Considered	3/5/07
--------------------	------------------	-----------------	--------

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

EDAN -> 1/26/07

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number		10533402
	Filing Date		2005-12-06
	First Named Inventor		DONNELLY
	Art Unit		3746 2834
	Examiner Name		Not yet assigned Cuevas, P
	Attorney Docket Number		5107-15

Page 1 of 2

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS						Remove
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS						Remove		
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS						Remove
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.				T ⁵
						<input type="checkbox"/>

1/26/07

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10533402	
Filing Date	2005-12-06	
First Named Inventor	DONNELLY	
Art Unit	3746	2834
Examiner Name	Not yet assigned Cuevas, P	
Attorney Docket Number	5107-15	

Page 2 of 2

<i>DC</i>	1	Supplemental Declaration of Frank Donnelly Under 37 CFR § 1.98; dated January 25, 2007 for U.S. Application Serial No. 11/070,848, 2 pages	<input type="checkbox"/>
-----------	---	--	--------------------------

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	<i>J. Cuevas</i>	Date Considered	<i>3/5/07</i>
--------------------	------------------	-----------------	---------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.